

National Science Foundation

Cognitive Neuroscience Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	06-557
Opportunity Category:	Discretionary
Posted Date:	Mar 27, 2006
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 14, 2008 Full Proposal Target Date(s): January 14 and July 14, annually
Current Closing Date for Applications:	Jul 14, 2008 Full Proposal Target Date(s): January 14 and July 14, annually
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	40
Estimated Total Program Funding:	\$5,000,000
Award Ceiling:	
Award Floor:	
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Cognitive Neuroscience program seeks highly innovative proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior. Topics may bear on core functions such as sensory, learning, language, reasoning, emotion, and executive processes, or more specialized processes such as empathy, creativity, representation of self and other, or intentionality, among many other possibilities. Topics may also include how such processes develop and change in the brain. The program is particularly interested in supporting the development of new techniques and technologies for recording, analyzing, and modeling complex brain activity. Such projects should include a plan for sharing new software and other technologies with the research community at large.

Link to Full Announcement

[NSF Publication 06-557](#)

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<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=8701>

National Science Foundation
Geobiology and Low-Temperature Geochemistry Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	06-563
Opportunity Category:	Discretionary
Posted Date:	Apr 14, 2006
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jul 16, 2007 Full proposals are due on January 16 and July 16 annually. 2007-07-16 2008-01-16 2008-07-16 2009-01-16
Current Closing Date for Applications:	Jul 16, 2008 Full proposals are due on January 16 and July 16 annually. 2007-07-16 2008-01-16 2008-07-16 2009-01-16
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	20
Estimated Total Program Funding:	\$4,000,000
Award Ceiling:	
Award Floor:	
CFDA Number:	47.050 -- Geosciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Geobiology and Low-Temperature Geochemistry Program supports research on 1) the interactions between biological and geological systems at all scales of space and time; 2) geomicrobiology and biomineralization processes; 3) the role of life in the evolution of the Earth's system; 4) inorganic and organic geochemical processes occurring at or near the Earth's surface now and in the past, and at the broad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 5) mineralogy and chemistry of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models for low-temperature geochemistry and geobiological research. The Geobiology and Low-Temperature Geochemistry Program facilitates cross-disciplinary efforts to harness new bioanalytical tools – such as those emerging from molecular biology – in the study of the terrestrial environment.

Link to Full Announcement

[NSF Publication 06-563](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=9047)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=9047>

National Science Foundation Geomorphology and Land Use Dynamics Modification 4

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	06-564
Opportunity Category:	Discretionary
Posted Date:	Apr 14, 2006
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 16, 2008 Full proposals are due on January 16 and July 16 annually. 2007-07-16 01/16/2008 07/16/2008 01/16/2008
Current Closing Date for Applications:	Jul 16, 2008 Full proposals are due on January 16 and July 16 annually. 2007-07-16 01/16/2008 07/16/2008 01/16/2008
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	20
Estimated Total Program Funding:	\$2,500,000
Award Ceiling:	
Award Floor:	
CFDA Number:	47.050 -- Geosciences

Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

Geomorphology and Land-Use Dynamics supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that investigates quantitatively the coupling and feedback between such processes, their rates, and their relative roles, especially in the contexts of variation in climatic and tectonic forcings and in light of changes due to human impact.

Link to Full Announcement

[NSF Publication 06-564
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=9048](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=9048)

National Science Foundation
Sedimentary Geology and Paleobiology Modification 4

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	06-565
Opportunity Category:	Discretionary
Posted Date:	Apr 14, 2006
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 16, 2008 Full proposals are due on January 16 and July 16, annually 2007-07-16 01/16/2008 07/16/2008 01/16/2008
Current Closing Date for Applications:	Jul 16, 2008 Full proposals are due on January 16 and July 16, annually 2007-07-16 01/16/2008 07/16/2008 01/16/2008
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	30
Estimated Total Program Funding:	\$5,000,000
Award Ceiling:	

Award Floor:

CFDA Number: 47.050 -- Geosciences

Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above)

Description

Sedimentary Geology and Paleobiology supports studies of: (1) the changing aspects of life, ecology, environments, and biogeography in past geologic time based on fossil plants, animals, and microbes; (2) all aspects of the Earth's sedimentary carapace — insights into geological processes recorded in its historical records and rich organic and inorganic resources locked in rock sequences; (3) the science of dating and measuring the time sequence of events and rates of geological processes of the Earth's past sedimentary and biological record; (4) the geologic record of the production, transportation, and deposition of physical and chemical sediments; and (5) understanding the complexities of Earth's deep time climate systems. The Sedimentary Geology and Paleobiology Program especially encourages integrative studies at the national and international levels that seek to link subdisciplines, such as paleoclimatology, paleogeography, and paleoenvironmental and paleoecologic reconstructions.

Link to Full Announcement

[NSF Publication 06-565](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=9049>

National Science Foundation

Decision, Risk and Management Sciences (DRMS) Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-98-1321
Opportunity Category:	Discretionary
Posted Date:	Aug 17, 2006
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 18, 2008 Recurring due dates: January 18 and August 18, annually
Current Closing Date for Applications:	Aug 18, 2008 Recurring due dates: January 18 and August 18, annually
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development

Category Explanation:
Expected Number of Awards:
Estimated Total Program Funding:
Award Ceiling:
Award Floor:
CFDA Number: 47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted

Description

The Decision, Risk and Management Sciences program supports scientific research directed at increasing the understanding and effectiveness of decision making by individuals, groups, organizations, and society. Disciplinary and interdisciplinary research, doctoral dissertation research, and workshops are funded in the areas of judgment and decision making; decision analysis and decision aids; risk analysis, perception, and communication; societal and public policy decision making; management science and organizational design. The program also supports small grants for exploratory research of a time-critical or high-risk, potentially transformative nature (see Small Grants for Exploratory Research.) Funded research must be relevant to an operational or applied context, grounded in theory, and generalizable. Purely algorithmic management science proposals should be submitted to the Operations Research Program rather than to DRMS.

Link to Full Announcement

[NSF Program Description](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=10636>

National Science Foundation
Behavioral Systems Modification 2

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-07-7472
Opportunity Category:	Discretionary
Posted Date:	Feb 12, 2007
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 12, 2008 Full Proposal Target Date: January 12, 2008 and annually thereafter Full Proposal Target Date: July 12, 2008 and annually thereafter

Current Closing Date for Applications: Jul 12, 2008 Full Proposal Target Date: January 12, 2008 and annually thereafter Full Proposal Target Date: July 12, 2008 and annually thereafter

Archive Date:

Funding Instrument Type: Grant

Category of Funding Activity: Science and Technology and other Research and Development

Category Explanation:

Expected Number of Awards: 0

Estimated Total Program Funding: \$0

Award Ceiling:

Award Floor:

CFDA Number: 47.074 -- Biological Sciences

Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted

Description

The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Program Directors: John Byers. Ontogeny; Phylogeny; Causation; and Function of Behavior Michael Beecher. Ontogeny; Phylogeny; Causation; and Function of Behavior

Link to Full Announcement

[NSF Program Description 07-7472](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=12544)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=12544>

National Science Foundation
Neural Systems Modification 2

Document Type: Modification to Previous Grants Notice

Funding Opportunity Number: PD-07-5500

Opportunity Category: Discretionary

Posted Date: Feb 12, 2007

Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 12, 2008 Full Proposal Target Date: January 12, 2008 and annually thereafter Full Proposal Target Date: July 12, 2008 and annually thereafter
Current Closing Date for Applications:	Jul 12, 2008 Full Proposal Target Date: January 12, 2008 and annually thereafter Full Proposal Target Date: July 12, 2008 and annually thereafter
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	0
Estimated Total Program Funding:	\$0
Award Ceiling:	
Award Floor:	
CFDA Number:	47.074 -- Biological Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Neural Systems Cluster focuses on how complex functions emerge from the interactions of the cellular elements of the nervous system as well as the interactions of the nervous system with other physiological systems. The Cluster encourages a systems biology approach to understanding how the nervous system adapts and regulates its function and structure in response to the internal or external environment. These questions may be investigated at time scales from the physiological to the evolutionary and at levels of complexity from the molecular biology of the cell to complex behavior. The development and use of new theoretical approaches and computational models to guide and instruct experimental design are particularly encouraged. Behavioral Neuroscience - Focuses on the development, function and evolution of neural mechanisms underlying complex behavior in animals. Neuroplasticity, learning and memory, communication, and biological rhythms are among the many topics that are examined in an extensive range of vertebrate and invertebrate systems. Levels of analysis span molecular biological approaches, cellular signaling, neuroanatomic mapping and analyses of animals behaving in their natural environments. Cellular and Developmental Neuroscience Panel - Focuses on the interactions among neurons and glia during development, regeneration, and

aging. Current studies include aspects of axonal navigation and cell migration, neuronal differentiation, neuron-glia interactions, synaptic specificity, and neuron connectivity. These studies typically draw from a wide range of methodologies, including genetic, molecular, cellular, anatomical, and electrophysiological techniques, to support analyses that span several levels of complexity and time scales from the physiological to the evolutionary. Computational Neuroscience - Supports research on the computational functions of neurons, neural circuits and nervous systems. This activity encourages development and testing of mathematical and/or computer models of neural systems, and the study of model neural systems including both vertebrates and invertebrates. The activity also welcomes theoretical approaches in all areas of neuroscience that develop innovative concepts. Neuroendocrinology - Focuses on the neuroendocrine regulation and evolution of brain/behavior relationships, and the reciprocal relationships between environmental and behavioral impacts on the nervous system. Projects that focus on sexual differentiation, individual phenotypic variation, neuroimmunology and homeostasis, reproduction and social behavior, stress, and aging are encouraged. Integrative proposals in this area span multiple levels of analyses and complexity, from genes to behavior. Sensory Systems - Supports research on the mechanisms by which the nervous system acquires, encodes, and processes information about the environment. This includes research on neural processes at molecular, cellular, synaptic, systems, and behavioral levels, and psychophysical correlates of sensory neural processes. Topics include: sensory transduction, neural coding and integrative mechanisms, comparative aspects of sensory capabilities, including vision, hearing, touch, smell, equilibrium, and electrosensory, magnetic and other senses. Program Directors: Diane Witt. Behavioral Neuroscience; Neuroendocrinology Paul Farel. Cellular and Developmental Neuroscience Robert Paul Malchow. Sensory Systems; Computational Neuroscience

Link to Full Announcement

[NSF Program Description 07-5500
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=12545](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=12545)

National Science Foundation Physiological and Structural Systems Modification 1

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-07-1141
Opportunity Category:	Discretionary
Posted Date:	Feb 12, 2007
Creation Date:	Feb 07, 2008
Original Closing Date for Applications:	Jan 12, 2008 Full Proposal Target Date(s): July 12, 2007 July 12, Annually Thereafter January 12, Annually Thereafter
Current Closing Date for Applications:	Jul 12, 2008 Full Proposal Target Date(s): July 12, 2007 July 12, Annually Thereafter January 12, Annually Thereafter

Archive Date:
Funding Instrument Type: Grant
Category of Funding Activity: Science and Technology and other Research and Development
Category Explanation:
Expected Number of Awards: 0
Estimated Total Program Funding: \$0
Award Ceiling:
Award Floor:
CFDA Number: 47.074 -- Biological Sciences
Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted

Description

The Physiological and Structural Systems Cluster supports research aimed at furthering the understanding of organisms as integrated units of biological organization. The Cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Understanding how and why emergent organismal properties such as robustness, adaptability and resilience arise in the context of environmental, genetic, biochemical and morphological variation are of interest. The Cluster encourages model building to augment traditional experimental approaches in order to guide research on complex functional networks. Multidisciplinary approaches to the study of organismal systems including research at the interfaces of biology, physics, chemistry, mathematics, computer science and engineering are encouraged in each of the following areas. Symbiosis, Defense and Self-recognition - This programmatic area supports research on the processes and structures that mediate intimate interactions between two or more organisms. Proposals are encouraged that focus on the dynamics of initiation, dissolution and stability of these complex associations through studies of underlying processes of communication, immunological recognition and signaling, feedbacks, and reciprocal responses between interactors. All aspects of symbiosis, including commensalisms, mutualisms, parasitism and host-pathogen interactions are included. Processes, Structures and Integrity - The focus of this programmatic area is on understanding the unity of organisms as complex systems through studies of coherent, structural and functional properties and interactions. Systems approaches that predict or reveal the nature of coordination among functional processes and/or structural components as a means to further the understanding of organismal integrity and emergent properties are particularly encouraged. Organism-Environment Interactions - The focus of this

programmatic area is on the structures and processes that affect organismal performance and interactions during routine changing, or stressful abiotic environmental conditions. The program seeks proposals aimed at understanding how interactions among genetic, biochemical, morphological and physiological processes result in integrated organismal responses. Increasing emphasis is placed on understanding how and why such interactions result in emergent properties such as adaptability, plasticity, and robustness (i.e., both resistance and resilience). Special emphasis is placed on projects that adopt systems approaches, including quantitative and qualitative analysis, theoretical models and prediction to understand the dynamics and control of organismal responses to the environment from near term to evolutionary time frames. Program Directors: Dona Boggs. Symbiosis, Defense & Self-recognition; Processes, Structures & Integrity Mary Chamberlin. Processes, Structures & Integrity Irwin Forseth. Organism-Environment Interactions; Processes, Structures & Integrity Michael Mishkind. Processes, Structures & Integrity; Symbiosis, Defense; Self-recognition Dianna Padilla. Processes, Structures & Integrity; Organism-Environment Interactions

Link to Full Announcement

[NSF Program Description 07-1141](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opld=12548>

National Science Foundation
Geography and Regional Science Modification 12

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-98-1352
Opportunity Category:	Discretionary
Posted Date:	Jun 07, 2004
Creation Date:	Feb 14, 2008
Original Closing Date for Applications:	Jan 15, 2008 Full Proposal Target Date: January 15, 2008 Regular research proposals Full Proposal Deadline Date: February 15, 2008 Doctoral Dissertation Research Improvement proposals Full Proposal Target Date: August 15, 2008 Regular research proposals Full Proposal Deadline Date: October 15, 2008 Doctoral Dissertation Research Improvement proposals
Current Closing Date for Applications:	Feb 15, 2008 Full Proposal Target Date: January 15, 2008 Regular research proposals Full Proposal Deadline Date: February 15, 2008 Doctoral Dissertation Research Improvement proposals Full Proposal Target Date: August 15, 2008 Regular research proposals Full Proposal Deadline Date: October 15, 2008

	Doctoral Dissertation Research Improvement proposals
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	
Award Ceiling:	
Award Floor:	
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted

Description

The Geography and Regional Science (GRS) Program sponsors research on the geographic distributions and interactions of human, physical, and biotic systems on the Earth's surface. Investigations are encouraged into the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects on a variety of topics (both domestic and international) qualify for support if they offer promise of contributing to scholarship by enhancing geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. Support also is provided for projects that explicitly integrate undergraduate and graduate education into the overall research agenda. Related funding opportunities are available for geographers, regional scientists, and related scholars. For more information about these opportunities, visit the Cross Directorate Activities webpage. Here, you will find a brief synopsis about other programs, as well as links guiding you to the appropriate program solicitations. Doctoral Dissertation Research Improvement Awards are made by the Geography and Regional Science program. Consult the SBE Doctoral Dissertation Research Improvement (DDRI) Grants announcement NSF 05-574 and the Geography and Regional Sciences DDRI specifics page. Regular proposals submitted to the Geography and Regional Science program should be fully compliant with specifications in the Grant Proposal Guide (GPG). DDRI proposals should be prepared in accordance with the terms of the GPG except for the modifications specified in the DDRI announcement NSF 05-574 and the GRS DDRI specifics page. Regular proposals are sent to six or more outside reviewers and are evaluated by at least two members of the GRS Advisory Panel (thirteen eminent geographers and regional scientists representing all major fields of the discipline). DDRI proposals are evaluated by three members of the DDRI Advisory Panel (twelve panelists). All reviews and panel recommendations are advisory to the Program Director.

Proposals normally will have at least three written reviews, which are forwarded (in anonymous form) with panel summaries to the PI.

Link to Full Announcement

[NSF Program Description 98-1352](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=2996>

National Science Foundation
Social Psychology Modification 4

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-98-1332
Opportunity Category:	Discretionary
Posted Date:	Jan 18, 2006
Creation Date:	Feb 14, 2008
Original Closing Date for Applications:	Jan 15, 2008 Full Proposal Target Date: January 15, 2007 Full Proposal Target Date: July 15, 2007
Current Closing Date for Applications:	Jul 15, 2008 Full Proposal Target Date: January 15, 200 Full Proposal Target Date: July 15, 200 January 15 and July 15, annually
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	
Award Ceiling:	
Award Floor:	
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted

Description

The Social Psychology Program at NSF supports basic research on human social behavior, including cultural differences and development over the life span. Among the many research topics supported are: attitude formation and change,

social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior. The scientific merit of a proposal depends on four important factors: (1) The problems investigated must be theoretically grounded. (2) The research should be based on empirical observation or be subject to empirical validation. (3) The research design must be appropriate to the questions asked. (4) The proposed research must advance basic understanding of social behavior.

Link to Full Announcement

[NSF Program Description 98-1332](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=7632>

National Science Foundation
Linguistics Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-98-1311
Opportunity Category:	Discretionary
Posted Date:	Aug 17, 2006
Creation Date:	Feb 14, 2008
Original Closing Date for Applications:	Jan 15, 2008 Full Proposal Target Date: January 15, 2007 Full Proposal Target Date: July 15, 2007
Current Closing Date for Applications:	Jul 15, 2008 Full Proposal Target Date: January 15, 2008 Full Proposal Target Date: July 15, 2008 January 15 and July 15, annually
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	
Award Ceiling:	
Award Floor:	
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted

Description

Supports scientific research of all types that focus on human language as an object of investigation. The program supports research on the syntactic, semantic, phonetic, and phonological properties of individual languages and of language in general; the psychological processes involved in the use of language; the development of linguistic capacities in children; social and cultural factors in language use, variation, and change; the acoustics of speech and the physiological and psychological processes involved in the production and perception of speech; and the biological bases of language in the brain.

Link to Full Announcement

[NSF Program Description](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=10642>

National Science Foundation
Perception, Action & Cognition
Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	PD-03-7252
Opportunity Category:	Discretionary
Posted Date:	Aug 17, 2006
Creation Date:	Feb 14, 2008
Original Closing Date for Applications:	Jan 15, 2008 Full Proposal Target Date: July 15, 2007 Full Proposal Target Date: January 15, 2008
Current Closing Date for Applications:	Jul 15, 2008 Full Proposal Target Date: July 15, 2008 Full Proposal Target Date: January 15, 2008 January 15 and July 15, annually
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	
Award Ceiling:	
Award Floor:	
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted

Description

Supports research on perception, action and cognition including the development of these capacities. Emphasis is on research strongly grounded in theory. Research topics include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, motor control, and developmental issues in all topic areas. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. Research involving acquired or developmental deficits is appropriate if the results speak to basic issues of perception, action, and cognition.

Link to Full Announcement

[NSF Program Description](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=10662>

National Science Foundation
Developmental and Learning Sciences
Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	07-508
Opportunity Category:	Discretionary
Posted Date:	Oct 19, 2006
Creation Date:	Feb 14, 2008
Original Closing Date for Applications:	Jan 15, 2008 Full Proposal Target Date(s): January 19, 2007 -- For Individual Investigator Research Projects, Workshops, Small Conferences, and Integrative Research Activities for Developmental Sciences (IRADS), January 15, Annually Thereafter July 15, 2007 - - For Individual Investigator Research Projects, Workshops, and Small Conferences, July 15, Annually Thereafter
Current Closing Date for Applications:	Jul 15, 2008 Full Proposal Target Date(s): January 19, 2007 -- For Individual Investigator Research Projects, Workshops, Small Conferences, and Integrative Research Activities for Developmental Sciences (IRADS), January 15, Annually Thereafter July 15, 2007 -

- For Individual Investigator Research Projects, Workshops, and Small Conferences, July 15, Annually Thereafter

Archive Date:

Funding Instrument Type:

Grant

Category of Funding Activity:

Science and Technology and other Research and Development

Category Explanation:

Expected Number of Awards:

18

Estimated Total Program Funding:

\$5,000,000

Award Ceiling:

Award Floor:

CFDA Number:

47.075 -- Social, Behavioral, and Economic Sciences

Cost Sharing or Matching Requirement: No

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

Proposals submitted in response to this solicitation will be accepted from colleges, universities, and other not-for-profit institutions in the U.S. with research and education programs in any area normally supported by NSF. For the IRADS competition, some additional requirements apply. Each type of IRADS activity must meet the following requirements: --be based in a doctoral degree-granting academic institution; --be directed by a faculty member and integrated into academic programs

Description

This program supports studies that increase our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Additional priorities are to support developmental research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods and theories; examines transfer of knowledge from one domain to another and from one situation to another; assesses peer relations, family interactions, social identities, and motivation; examines the impact of family, school, and community resources; assesses adolescents' preparation for entry into the workforce; and investigates the role of demographic characteristics and cultural influences on children's development. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that

support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens.

Link to Full Announcement

[NSF Publication 07-508](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=11238>

National Science Foundation Nanotechnology Undergraduate Education (NUE) in Engineering Grant

Document Type:	Grants Notice	
Funding Opportunity Number:	08-544	
Opportunity Category:	Discretionary	
Posted Date:	Feb 14, 2008	
Creation Date:	Feb 14, 2008	
Original Closing Date for Applications:	May 14, 2008	Full Proposal Deadline(s): May 14, 2008
Current Closing Date for Applications:	May 14, 2008	Full Proposal Deadline(s): May 14, 2008
Archive Date:		
Funding Instrument Type:	Grant	
Category of Funding Activity:	Science and Technology and other Research and Development	
Category Explanation:		
Expected Number of Awards:	10	
Estimated Total Program Funding:	\$1,900,000	
Award Ceiling:	\$200,000	
Award Floor:	\$100,000	
CFDA Number:	47.041 -- Engineering Grants	
CFDA Number:	47.075 -- Social, Behavioral, and Economic Sciences	
CFDA Number:	47.076 -- Education and Human Resources	
Cost Sharing or Matching Requirement:	No	

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

*Organization Limit: Proposals may only be submitted by the following: -
Universities and Colleges: Universities and two- and four-year colleges (including community colleges) located and accredited in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *PI Limit: Only one proposal may be submitted by a PI. The lead PI must hold a faculty appointment within a College/Department of Engineering or College/Department of Engineering Technology within the submitting U.S. academic institution.

Description

This solicitation aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus of this year's competition is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology. Related funding opportunities are posted on www.nsf.gov/nano. Research and education projects in nanoscale science and engineering will continue to be supported in the relevant NSF programs and divisions.

Link to Full Announcement

[NSF Publication 08-544](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16870)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16870>

National Science Foundation
Alliances for Broadening Participation in STEM Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-545
Opportunity Category:	Discretionary
Posted Date:	Feb 15, 2008
Creation Date:	Feb 15, 2008
Original Closing Date for Applications:	Oct 10, 2008 Ltr of Intent -req: 05/30/08 and Last Fri in May, annually: AGEP Full Props: 05/15/08, 03/06/09 and First Fri. in March, annually: BD 06/27/08 and Last Fri. in June, annually AGEP 10/10/08 LSAMP, LSAMP Educ Research Projects
Current Closing Date for Applications:	Oct 10, 2008 Ltr of Intent -req: 05/30/08 and Last Fri in May, annually: AGEP Full Props: 05/15/08, 03/06/09 and First Fri. in March, annually: BD 06/27/08 and Last Fri. in June, annually AGEP 10/10/08 LSAMP, LSAMP Educ Research Projects
Archive Date:	

Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development
Category Explanation:	
Expected Number of Awards:	32
Estimated Total Program Funding:	\$30,000,000
Award Ceiling:	\$5,000,000
Award Floor:	\$100,000
CFDA Number:	47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility:

*Organization Limit: Proposals may only be submitted by the following: - Universities and Colleges: Universities and two- and four-year colleges (including community colleges) located and accredited in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions. *PI Limit: AGEP - Because AGEP is centered on sustainable institutional changes in graduate education, the Provost or Graduate Dean of the lead institution should serve as the Principal Investigator. A full explanation should be provided for a PI designation in variance with this requirement. Co-Principal Investigators from partner institutions may be designated as appropriate for the project. LSAMP - To promote institutional commitments to increase the quality and quantity of underrepresented minorities in STEM disciplines at the undergraduate level, the President or Provost of the lead institution should serve as the Principal Investigator. A full explanation should be provided for a PI designation in variance with this requirement. Co-Principal investigators from partner institutions may be designated as appropriate for the project.

Description

The Alliances for Broadening Participation in STEM (ABP) solicitation includes the Louis Stokes Alliances for Minority Participation (LSAMP) program, Bridge to the Doctorate (BD) Activity, and the Alliances for Graduate Education and the Professoriate (AGEP) program. This portfolio seeks to increase the number of students successfully completing quality degree programs in science, technology, engineering and mathematics (STEM). Particular emphasis is placed on transforming STEM education through innovative academic strategies and experiences in support of groups that historically have been underrepresented in STEM disciplines: African Americans, Alaskan Natives, Native Americans, Hispanic Americans and Native Pacific Islanders. Managed synergistically, the ABP cluster enables seamless transitions from the STEM baccalaureate to

attainment of the doctorate and entry to the STEM professoriate. ABP support begins at the baccalaureate level through the LSAMP program. LSAMP emphasizes development of broad based regional and national alliances of academic institutions, school districts, state and local governments, and the private sector to increase the diversity and quality of the STEM workforce. Eligible LSAMP undergraduate students may receive continued support for up to two additional years of STEM graduate study through the Bridge to the Doctorate (BD) Activity. The Bridge to the Doctorate provides significant financial support for matriculating candidates in STEM doctoral programs at eligible alliance sites. Alliances for Graduate Education and the Professoriate (AGEP) furthers the graduate education of underrepresented students through the doctorate level, preparing them for fulfilling opportunities and productive careers as STEM faculty and research professionals. AGEP also supports the transformation of institutional culture to attract and retain STEM doctoral students into the professoriate. The LSAMP program also supports education research projects focused on STEM baccalaureate degree attainment.

Link to Full Announcement

[NSF Publication 08-545](#)

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16893>

National Science Foundation
Course, Curriculum, and Laboratory Improvement Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-546
Opportunity Category:	Discretionary
Posted Date:	Feb 19, 2008
Creation Date:	Feb 19, 2008
Original Closing Date for Applications:	May 20, 2008 05/20/2008 For Phase 1 proposals from submitting orgs in states or territories beginning with A thru M 05/21/2008 For Phase 1 proposals from submitting orgs in states or territories beginning with N thru W 01/12/2009 For Phase 2 and 3 proposals
Current Closing Date for Applications:	May 20, 2008 05/20/2008 For Phase 1 proposals from submitting orgs in states or territories beginning with A thru M 05/21/2008 For Phase 1 proposals from submitting orgs in states or territories beginning with N thru W 01/12/2009 For Phase 2 and 3 proposals
Archive Date:	
Funding Instrument Type:	Grant
Category of Funding Activity:	Science and Technology and other Research and Development

Category Explanation:
Expected Number of Awards: 142
Estimated Total Program Funding: \$35,800,000
Award Ceiling:
Award Floor:
CFDA Number: 47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The Course, Curriculum, and Laboratory Improvement (CCLI) program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies, develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, and conduct research on STEM teaching and learning. The program supports three types of projects representing three different phases of development, ranging from small, exploratory investigations to large, comprehensive projects.

Link to Full Announcement

[NSF Publication 08-546
http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=16900](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opId=16900)

National Science Foundation
Informal Science Education Grant

Document Type:	Grants Notice
Funding Opportunity Number:	08-547
Opportunity Category:	Discretionary
Posted Date:	Feb 19, 2008
Creation Date:	Feb 19, 2008
Original Closing Date for Applications:	Jun 19, 2008 Letter of Intent (required) (due by 5 p.m. proposer's local time): March 20, 2008 September 18, 2008 Full Proposal June 19, 2008 December 18, 2008
Current Closing Date for Applications:	Jun 19, 2008 Letter of Intent (required) (due by 5 p.m. proposer's local time): March 20,

2008 September 18, 2008 Full Proposal June
19, 2008 December 18, 2008

Archive Date:
Funding Instrument Type: Grant
Category of Funding Activity: Science and Technology and other Research
and Development
Category Explanation:
Expected Number of Awards: 50
Estimated Total Program Funding: \$25,000,000
Award Ceiling: \$5,000,000
Award Floor:
CFDA Number: 47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement: No

Eligible Applicants

Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Description

The ISE program invests in projects that develop and implement informal learning experiences designed to increase interest, engagement, and understanding of science, technology, engineering, and mathematics (STEM) by individuals of all ages and backgrounds, as well as projects that advance knowledge and practice of informal science education. Projects may target either public audiences or professionals whose work directly affects informal STEM learning. ISE projects are expected to demonstrate strategic impact, innovation, and collaboration.

Link to Full Announcement

[NSF Publication 08-547](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16902)
<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16902>

U.S. Nuclear Regulatory Commission

U.S. Nuclear Regulatory Commission Nuclear Education Program Scholarship and Fellowship Announcement of Opportunity, Fiscal Year 2008 Grant

Document Type: Grants Notice
Funding Opportunity Number: HR-FN208-NED01
Opportunity Category: Discretionary

Posted Date:	Feb 15, 2008
Creation Date:	Feb 15, 2008
Original Closing Date for Applications:	Apr 01, 2008
Current Closing Date for Applications:	Apr 01, 2008
Archive Date:	Jul 01, 2008
Funding Instrument Type:	Grant Cooperative Agreement
Category of Funding Activity:	Education
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	\$15,000,000
Award Ceiling:	\$15,000,000
Award Floor:	\$0
CFDA Number:	77.008 -- U.S. Nuclear Regulatory Commission Nuclear Scholarship/ Fellowship Program
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Public and State controlled institutions of higher education
Private institutions of higher education

Description

The U.S. Nuclear Regulatory Commission (NRC) was created as an independent agency by Congress in 1974 to enable the nation to safely use radioactive materials for beneficial civilian purposes while ensuring that people and the environment are protected. The NRC regulates commercial nuclear power plants and other uses of nuclear materials, such as in nuclear medicine, through licensing, inspection and enforcement of its requirements. Funding under this program includes support for education in nuclear science and engineering to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. The total amount of funding available for undergraduate scholarships, graduate fellowships, trade school scholarships, and faculty development grants together in FY08 totals \$15 million. As a condition for receiving scholarships or fellowships, recipients must demonstrate satisfactory academic progress in their fields of study, as determined by criteria contained in this announcement and as established by the NRC. The nuclear education supported by this funding is intended to benefit the nuclear sector broadly. Consequently, NRC requires scholarship and fellowship recipients to serve 6 months in nuclear-related employment for each full or partial year of academic support. The employment may be with NRC, other Federal agencies, State agencies, Department of Energy laboratories, nuclear-related industry, or academia in the recipients' sponsored fields of study. A waiver of this requirement may be granted in

appropriate circumstances. This announcement is just for undergraduate scholarships and graduate fellowships. The announcements for trade school scholarships and faculty development grants are published separately. Publishing these announcements does not obligate NRC to fund any specific scholarship, fellowship, trade school scholarship, or faculty development program, or to obligate all or any part of available funds. There is no guarantee that sufficient funds will be available to initiate or continue grant activities where funding has been recommended by NRC. The exact amount of funds that NRC may recommend to be granted is determined in pre-award negotiations between the applicant and NRC representatives. Future opportunities for submitting proposals may be available, depending on future NRC funding authorization. NRC only awards grants directly to accredited U.S. institutions of higher education and does not award individual scholarships or fellowships. Individual students cannot apply directly to NRC for scholarships or fellowships.

Link to Full Announcement

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16886>

U.S. Nuclear Regulatory Commission Nuclear Education Program Faculty Development Grants Announcement of Opportunity Fiscal Year 2008 Grant

Document Type:	Grants Notice
Funding Opportunity Number:	HR-FN208-NED02
Opportunity Category:	Discretionary
Posted Date:	Feb 15, 2008
Creation Date:	Feb 15, 2008
Original Closing Date for Applications:	Apr 01, 2008
Current Closing Date for Applications:	Apr 01, 2008
Archive Date:	Jul 01, 2008
Funding Instrument Type:	Cooperative Agreement Grant
Category of Funding Activity:	Education
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	\$15,000,000
Award Ceiling:	\$15,000,000
Award Floor:	\$0
CFDA Number:	77.008 -- U.S. Nuclear Regulatory Commission Nuclear Scholarship/ Fellowship Program
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Public and State controlled institutions of higher education
Private institutions of higher education

Description

The U.S. Nuclear Regulatory Commission (NRC) was created as an independent agency by Congress in 1974 to enable the nation to safely use radioactive materials for beneficial civilian purposes while ensuring that people and the environment are protected. The NRC regulates commercial nuclear power plants and other uses of nuclear materials, such as in nuclear medicine, through licensing, inspection and enforcement of its requirements. Funding under this opportunity includes support for education in nuclear science, engineering, and related trades to develop a workforce capable of the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. The total amount of funding available for undergraduate scholarships, graduate fellowships, trade school scholarships, and faculty development grants together in FY08 totals \$15 million. The Faculty Development Grants Program recognizes the need to attract and retain highly-qualified junior faculty in academic teaching careers. Funding under this announcement is intended to support new faculty in the nuclear-related fields of Nuclear Engineering, Health Physics, and Radiochemistry. The grants specifically target probationary, tenure-track faculty in these academic areas during the first 6 years of their career. Grants could include support for developing proposals for research and small amounts for initiating or continuing research projects in their areas of expertise. Other areas might include course development, equipment stipends, participation in professional society meetings, preparation of papers, travel, and associated expenses. Awards may be increased to the extent that a portion of the award is matched by the institution. The program intends to provide support to enable new faculty to enhance their careers as professors and researchers in the University department where employed. This announcement is just for faculty development grants. Related announcements for undergraduate scholarships, graduate fellowships, and trade school scholarships are published separately. Publishing these announcements does not obligate NRC to fund any specific scholarship, fellowship, trade school scholarship, or faculty development program, or to obligate all or any part of available funds. There is no guarantee that sufficient funds will be available to initiate or continue grant activities where funding has been recommended by NRC. The exact amount of funds that NRC may recommend to be granted is determined in pre-award negotiations between the applicant and NRC representatives. Future opportunities for submitting proposals may be available, depending on future NRC funding authorization. NRC only makes awards directly to accredited U.S. institutions of higher education. Individuals cannot apply directly to NRC for these grants.

Link to Full Announcement

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16887>

U.S. Nuclear Regulatory Commission Nuclear Education Program Trade School
Scholarship Announcement of Opportunity, Fiscal Year 2008 Grant

Document Type:	Grants Notice
Funding Opportunity Number:	HR-FN208-NED03
Opportunity Category:	Discretionary
Posted Date:	Feb 15, 2008
Creation Date:	Feb 15, 2008
Original Closing Date for Applications:	Apr 01, 2008
Current Closing Date for Applications:	Apr 01, 2008
Archive Date:	Jul 01, 2008
Funding Instrument Type:	Cooperative Agreement Grant
Category of Funding Activity:	Education
Category Explanation:	
Expected Number of Awards:	
Estimated Total Program Funding:	\$15,000,000
Award Ceiling:	\$15,000,000
Award Floor:	\$0
CFDA Number:	77.008 -- U.S. Nuclear Regulatory Commission Nuclear Scholarship/ Fellowship Program
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Private institutions of higher education
Public and State controlled institutions of higher education

Description

The U.S. Nuclear Regulatory Commission (NRC) was created as an independent agency by Congress in 1974 to enable the nation to safely use radioactive materials for beneficial civilian purposes while ensuring that people and the environment are protected. The NRC regulates commercial nuclear power plants and other uses of nuclear materials, such as in nuclear medicine, through licensing, inspection and enforcement of its requirements. Funding under this program includes support for education in nuclear science and engineering, to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. This announcement is just for trade school scholarships. The announcements for undergraduate scholarships, graduate fellowships, and faculty development grants are published separately. NRC only awards grants directly to eligible institutions and does not award individual trade school scholarships. Individual students cannot apply directly to NRC for trade school scholarships. As a

condition for receiving trade school scholarships, recipients must demonstrate satisfactory academic progress in their fields of study, as determined by criteria contained in this announcement and as established by the NRC. Trade schools must be postsecondary educational institutions or programs accredited by an accrediting agency or state approval agency recognized by the U.S. Secretary of Education or be registered apprenticeship programs. The nuclear education supported by this funding is intended to benefit the nuclear sector broadly. Consequently, NRC requires trade school scholarship recipients to serve 6 months in nuclear-related employment for each full or partial year of academic support. The employment may be with NRC, other Federal agencies, State agencies, Department of Energy laboratories, nuclear-related industry, or academia in the recipients' sponsored fields of study. A waiver of this requirement may be granted in appropriate circumstances. This announcement is just for trade school scholarships. The announcements for undergraduate scholarships, graduate fellowships, and faculty development grants are published separately. Publishing these announcements does not obligate NRC to fund any specific scholarship, fellowship, trade school scholarship, or faculty development program, or to obligate all or any part of available funds. There is no guarantee that sufficient funds will be available to initiate or continue grant activities where funding has been recommended by NRC. The exact amount of funds that NRC may recommend to be granted is determined in pre-award negotiations between the applicant and NRC representatives. Future opportunities for submitting proposals may be available, depending on future NRC funding authorization. NRC only awards grants directly to eligible institutions and does not award individual trade school scholarships. Individual students cannot apply directly to NRC for trade school scholarships.

Link to Full Announcement

<http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=16888>